

ABSTRACT

Ink refill systems are disclosed. In general, an ink source comprising a
5 saturated zone and a tuberc porous microstructure for conducting ink from
the saturated zone to an unsaturated zone are provided. The ink can be
delivered from the saturated zone to the unsaturated zone through the tuberc
porous microstructure, thereby permitting the ink to be harnessed for ink
writing and/or printing through the unsaturated hydrodynamic flow of the ink
10 from one zone of saturation or unsaturation to another.